

**CLAIMS**

1. An elongation cord adapted for the reinforcement of elastomer structures,

5 said elongation cord comprising  
a core and

three to nine strands twisted around said core with a cord twisting step in a cord twisting direction,

said core being a polymer core,

10 characterized in that

at least one of said strands comprises a first group of filaments and a second group of filaments,

said first group of filaments being twisted with a first twisting step in a first twisting direction,

15 said second group of filaments being twisted with a second twisting step in a second twisting direction,

said first twisting step being different from said second twisting step or said first twisting direction being different from said second twisting direction, or both,

20 said first twisting direction being equal to said cord twisting direction, and said first twisting step being equal to said cord twisting step.

25 2. A cord according to claim 1 wherein said first group of filaments comprises between two and five filaments.

30 3. A cord according to any one of the preceding claims wherein said second group of filaments comprises between one and five filaments.

4. A cord according to any one of the preceding claims wherein said polymer is polyester or polyamide.

35 5. A cord according to any one of the preceding claims wherein all of said strands comprise such a first group of filaments and such a

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**second group of filaments.**

6. A cord according to any one of the preceding claims wherein said cord has a structural elongation of at least 1.20%.

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7. A cord according to any one of the preceding claims wherein said cord has an elongation at break of at least 5%.

- 10 8. A cord according to any one of the preceding claims wherein said polymer core has a thickness which is equal or greater to the smallest diameter of the filaments in said first group or in said second group.

- 15 9. A cord according to claim 8 wherein said polymer core has a thickness which is equal or greater to two times the smallest diameter of the filaments in said first group or in said second group.

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